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Search History

DATE: Wednesday, August 17, 2005   Printable Copy   Create Case

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	DB=USPT; PLUR=YES; OP=ADJ		
L21	web and 6625648.pn	0	L21
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L19	6058102.pn.	1	L19
L18	6122664.pn.	1	L18
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L16	6167448.pn.	1	L16
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L12	20020049687.pn.	1	L12
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L6	status and L5	0	L6
L5	6625648.uref.	2	L5
L4	status and L2	7	L4
L3	(status same updat$6) and L2	2	L3
L2	(6397359.uref. or 6397359.pn.)	14	L2
L1	(6397359.uref. or 6397359.pn.) and (status$6 near1 updat$6)	1	L1

END OF SEARCH HISTORY

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L20: Entry 1 of 1   File: USPT   Sep 23, 2003

DOCUMENT-IDENTIFIER: US 6625648 B1
TITLE: Methods, systems and computer program products for network performance
testing through active endpoint pair based testing and passive application
monitoring

Detailed Description Text (25):
RAS agent 60 is responsible for starting all performance monitoring system
processes of console node 20 and monitoring their status. If any process agent
fails abnormally, the RAS agent 60 restarts the failed agent. RAS agent 60 provides
further reliability, availability and serviceability capability to the systems of
the present invention. RAS agent 60 is preferably responsible for starting the
other agents illustrated in FIG. 3, monitoring the ongoing operations of the other
agents and restarting agents when they fail. RAS agent 60 may also be responsible
for generating error message traps if continued failures occur even after restarts.
As an additional feature, the RAS agent 60 may provide for restart of all system
agents 52-70 illustrated in FIG. 3 on a periodic basis, such as weekly, to reduce
error conditions. RAS agent 60 may also initiate full system restarts (i.e.,
including, for example, the operating system). RAS agent 60 may further provide for
generating error messages and/or SNMP traps when disk space for object database 50
goes below minimum levels.

Detailed Description Text (33):
Endpoint configuration agent 66 may also monitor the status of various endpoint
nodes 14, 15, 16, 17, 18 by computing a reporting period for each endpoint node 14,
15, 16, 17, 18 based on the test schedules and placing appropriate information in
object database 50 to indicate to other agents when network performance test
results should be expected from particular endpoint nodes 14, 15, 16, 17, 18 and
associated connections. Endpoint configuration agent 66 may further detect and
report when an endpoint pair 22, 24 is invalid if an individual one of the endpoint
pair 22, 24 reports in with an indication that it is unable to establish a
connection with its established endpoint pair partner for a particular connection.

Detailed Description Text (36):
Also shown in FIG. 3 is control configuration agent 70. As illustrated by the
dotted line used for control configuration agent 70 in FIG. 3, it is preferred that
this agent be executed remotely from the system on which object database 50
resides. This allows the actual database hardware of console node 20 to be placed
in a secure area with remote user access to change system parameters. Preferably,
control configuration agent 70 is provided as a Java application executing on a
remote device in communication with console node 20. As will be described more
fully herein with respect to the operations of the present invention, the control
configuration agent 70 can provide for input of configuration information for
various aspects of test operations according to the present invention such as
definition of endpoints and endpoint pairs, thresholds, actions, schedules, test
scripts, department and location definitions, security protocols, reporting
procedures, SNMP definition, system defaults and user defaults. Control
configuration agent 70 further may provide for input of status change requests with
respect to various endpoint nodes 14, 15, 16, 17, 18 or endpoint pairs 22, 24 such

as taking a particular endpoint node 14, 15, 16, 17, 18 off of active <u>status</u>.

<u>Detailed Description Text</u> (37):
While illustrated in FIG. 3 as connected directly to object database 50, changes to
the object database 50 may not be directly implemented by control configuration
agent 70. Rather, GUI support agent 58 can provide an interface allowing changes to
be implemented based on requests from control configuration agent 70, on an
asynchronous basis, as various other agents perform their associated functions to
change the status of devices and protocols within the network performance test
schedules. Accordingly, the direct connection of control configuration agent 70 to
object database 50 illustrates the placement of information on the database which
may then be retrieved by GUI support agent 58 for processing and implementation. As
will be described later herein, in one aspect of the present invention, a unique
approach is provided for handling the asynchronous state transitions between
requested changes and implementation of the changes across the affected nodes of
the computer network 12.

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